

Issue

The filter tape on the BAM1020 can build up on the filter support vane under the filter paper. The vane looks like a 1/2" diameter ring with an "X" support crisscrossing the diameter.

Symptoms

The symptoms of this problem are negative values and leak checks greater than 1.5 LPM. The negative values occur from a hole being punched in the tape when the nozzle closes on to sample air. This hole is a weak spot that allows the beta measuring particles to go through without attenuation. This causes the second "4 minute count" to be larger than the first "4 minute count" which calculates a negative concentration.

Solution

All units manufactured from the date of this bulletin forward have the one-piece vane. Returned BAMs have this modification if they were returned after the date of this bulletin. Older units that exhibit the symptoms may need to be upgraded.

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